Engineer: Bruce Page	Date: 4/9/04	Raytheon					
Drawn: Bruce Page	Date: 4/9/04	JPS Communications 5800 Departure Drive, Raleigh, NC 27616					
Approved: Jack Curtis	Date: 4/9/04	Title: ACU RADIO APPLICATION NOTES					
Issued/ Revised	Date: 7/7/06	Size:	Dwg. #: 5961-271271-APP	Rev:	Sheet:	Of	1

APPLIES TO:

Ericsson-GE-M/A-Com MDX Mobile (16-Pin Option Cable)

RADIO MODIFICATIONS:

- 1. The radio requires the 16-Pin Option Cable PMCD7Z (Ericsson P/N 19C851585P18).
- 2. The front microphone must be connected to the radio in order to enable signals on the rear mounted option cable.

RADIO PROGRAMMING:

1. Mobile radios should normally be programmed for low transmit power.

RADIO CONTROLS:

1. Adjust the Volume Control until the yellow "SIGNAL" indicator on the associated DSP Module flashes with receive audio. Should be about in the mid-range (12 o'clock) position.

CABLING:

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

0dRm*

ACU-1000 Interface Cable	JPS P/N 5961-291271	(5961-271271+5961-261002-00)
ACU-T Interface Cable	JPS P/N 5961-281271	(5961-271271+5961-281013-00)
TDD 1000 Chalf Intenface Califa	IDC D/M 5061 271271	

TRP-1000 Shelf Interface Cable JPS P/N 5961-271271

Radio RF Connector Type Female TNC

DSP-1 JUMPERS:

JP1 Low Impedance *
JP2 Balanced *

DSP PROGRAMMING:

KA LEVEI	3.	Oubiii.
TX Level	6*	0dBm*
Squelch Type	VOX*	
COR Polarity	Active Low*	
High Frequency Equalizer	4*	Flat*
RX Audio Delay	2*	100 ms*
TX Audio Delay (Radio Type)	0*	No Delay*
Noise Reduction Value	0*	Off*
VOX/VMR Threshold	1*	Med1*
VOX/VMR Hang Time	3*	775 ms*
COR Inhibit After PTT	1*	100 ms*
All Others	As needed	

3*

(* Indicates Default Value)

NOTES:





